

**Friday March 19, 2021 6pm
MEETING is VIRTUAL**

Officers and Appointees	2
New Members	2
President's Message	3
Member Awards	4
Antenna Presentation	5
Fry's Demise	6
Meeting Minutes	7
Member QSL Archive	11
License Classes	12
Zoom Usage Guidelines	13
Ham Radio Outlet	15
Club Repeaters/Nets	16
Club Calendar	16

*The COVID-19 pandemic required the club to cancel all in-person meetings for the duration of the outbreak. In response, the Club began meeting electronically, using the **zoom.us** system. Invitations to each publicly available meeting will be sent out via our **groups.io** email reflector listed on page 2, making it even more important that you join this email group. See page 13 for details on Zoom.*



Astronaut Kate Rubins, KG5FVJ

MARCH 19 PROGRAM

**DXPEDITION TO NAVASSA ISLAND
IN THE CARIBBEAN SEA**



PRESENTED BY JOHN MILLER, K6MM

Only accessible via helicopter, uninhabited Navassa, discovered by Columbus in 1504, screams "Stay Away!". Those attending the presentation will soon discover why. Its still-standing lighthouse served for 80 years as a beacon for ships traveling through the Windward passage from the Panama Canal.

John Miller, K6MM, was first licensed as WV2BQJ in 1958 while living in Syracuse, New York. He is the current President of the Northern California DX Foundation, a past-president of the Northern California Contest Club, a former director of the Northern California DX Club, and a founding member of the CW Operators Club. He is also a member of the editorial staff of the *National Contest Journal*, and Co-Chairman of the International DX Convention for 2011, 2013, 2015, 2017, 2019 and 2021.

*This month's meeting will be held virtually only, via our Zoom videoconferencing system. The meeting access ID and password will be distributed via **groups.io** email announcement. Our meeting will also be shown on the club digital amateur television repeater, which is live streamed at: <http://w6cxatv.mdarc.org/>*



Bill De La Mater, KB6LFM
Robert Goulden, KJ7VBX
Ronald Minnich, AJ6OT
Yulian Novosyolov (license pending)
Paul Osier (license pending)
Ken Pritikin, KI6EHA
Jose Salazar III, KN6NPC

If you hear these new members on the air, please welcome them to our club.

— Jan Kulisek, KM6NFC



When you purchase at Amazon dot com smile, a portion of your purchase is donated to our club.

Go to:
<https://smile.amazon.com/ch/23-7072059>

ALL MEMBERS ARE INVITED TO JOIN THE FREE CLUB E-MAIL GROUP AT:

<https://groups.io/g/MDARC>

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Larry Bradley, KK6QPE
Vice President - Jan Kulisek, KM6NFC
Secretary – Brian Lotter, KM6NGS
Treasurer - Cathi Walton, K2CJW
Emergency Coordinator - Ron Bunch, W4FEK

Directors At Large
Trevor Hall, WA6JAU Cal Vasquez, K6VT
Roger Hooten, W6UZ Mike Warren, W6MEW

Membership Chair – Jan Kulisek, KM6NFC
mdarcmembership@mdarc.org

PACIFICON 2021

Chair: Julie Mah, WJ8MAH
Registration: Debbie Deeble, KN6DOM
Treasurer: Jim Siemons, W6LK
Secretary: Jan Kulisek, KM6NFC

COMMITTEE CHAIRS AND COORDINATORS

Annual Auction - Jim Siemons, W6LK
Communications Trailer - Mike Warren, W6MEW
Communications Van MDARC-1 - Jim Tittle, K6SOE
Digital Media - Mike Patterson, N6JGA
Education & Training - John Primus, AF6RJ
Field Day - Larry Loomer, KI6LNB
Good & Welfare - Diana Sage, KA6TZU
Holiday Dinner - Misa Siemons, KJ6BUE
License Testing - Larry Loomer, KI6LNB
Outreach - Dick Wade, WM6G
Public Service - Klaus Berkner, K6KHB
Radio Equipment Lending - Cal Vasquez, K6VT
Refreshments - Elizabeth Styles, KG6HLV
Repeater Trustee W6LGW - Dick Brown, KT6X
Repeater Trustee W6CX - Jim Tittle, K6SOE
Scholarship - Janice Fujii, KG6VTD
Technical Committee - Jim Siemons, W6LK

The Carrier Newsletter
Editor - Matthew G. Vurek, N4DLA
n4dla_cs245@yahoo.com
Proofreader - Larry Loomer, KI6LNB
Printing & Distribution - Jan Kulisek, KM6NFC

Amateur Television Help and Information:
Fred Coe, WB6ASU wb6asu@icloud.com

President's Message

March 2021

MDARC Family,

As you read this I most likely will be in Oregon for a couple of months while staying with my dad who recently turned 100 years old.

Are you like me, that planning an extended trip requires a lot of thought and for me, a long list? Sure there is the need for choosing the right clothing, bring enough sundries, must-read books to pack, and all those electronic “toys” with their plethora of adapters and cables. But adding ham radio gear brings a whole other dimension to making the right choices of what to bring. There’s the transceivers, HTs, antennas, coax and all the gear to be portable, like LiFePO₄ batteries and of course their chargers. I am so glad I have a truck! But it sort of gets the same reputation as the proverbial hall closet that no matter what the size, it gets filled up.

We recently concluded our well-attended 2021 Technician License Course with routinely having over 40 students. Some have already passed their Technician License exam....Congratulations!

For the first time we implemented something new for the students by inviting them to subscribe to our new Groups.io forum.....MDARCTraining@groups.io. All students and Course Elmers and staff received the invitation to subscribe and nearly 50% of the students availed themselves of this resource. There were some interesting and thoughtful discussions on this forum that served as a supplement to the ARRL Technician manual. This is something we will continue to use with the nine-week General License Course starting on Tuesday, 04/13/21.

.....

Accepting donations: Please consider donating to the club.

- Donating to MDARC through Amazon Smile is a “painless” and at-no-cost-to-you way to donate. Use this link:

<https://smile.amazon.com/ch/23-7072059>

TIP: Be sure to bookmark the AmazonSmile website so it is conveniently available whenever you place orders with Amazon.

- Check out even more ways to donate from MDARC’s webpage.

<http://www.mdarc.org/resources/donate-to-mdarc>



Club Meeting: Friday, 03/19/21. You can join on Zoom as early as 6:00 PM /to say “hello” and chat with others before our 7:00 PM official start. Remember that in order for you to directly receive the Zoom invitation, you need to have subscribed to the Club’s email reflector so if you are not on that reflector, then check out this link.

<http://www.mdarc.org/about-us/communicating-with-you>

Also, please check our guidelines for our Zoom meetings

<http://www.mdarc.org/about-us/zoom-guidelines>

André-Marie Ampere



Born	20 January 1775 Lyon, Kingdom of France
Died	10 June 1836 (aged 61) Marseille, Kingdom of France
Nationality	French
Known for	Ampère's circuital law Ampère's force law Ampère's right hand grip rule Avogadro–Ampère hypothesis Monge–Ampère equation Scientific career
Fields	Physics
Institutions	École Polytechnique
Signature	

MEMBER AWARDS

2020 Ham of the Year Dave Piersall, N6ORB

The Ham of the Year is awarded for outstanding service to the Mount Diablo Amateur Radio Club

2020 Kilroy Key Jim Moen, K6JM

The Kilroy Key is awarded to the club member that exemplifies the helping tradition of amateur radio by working to improve the ham community at large

CONGRATULATIONS !

“The greatest motivational act one person can do for another is to listen.” Roy E. Moody
73,
Larry Bradley KK6QPE
03/04/21

Virtual Antenna Presentation by N6BT Hosted by QCWA Chapter 228



The Quarter Century Wireless Association Chapter 228 invites you to attend our March 27, 2021 virtual meeting that features a presentation on antennas by Tom Schiller, N6BT. Tom is an internationally known ham and antenna maker who founded Force 12 Antennas many years ago. They are favored by DX'ers, Contesters and even casual operators because they work extremely well and are sturdily constructed and have passed the test of time. Tom

continues to experiment with antennas and has come up with ground breaking antenna information.

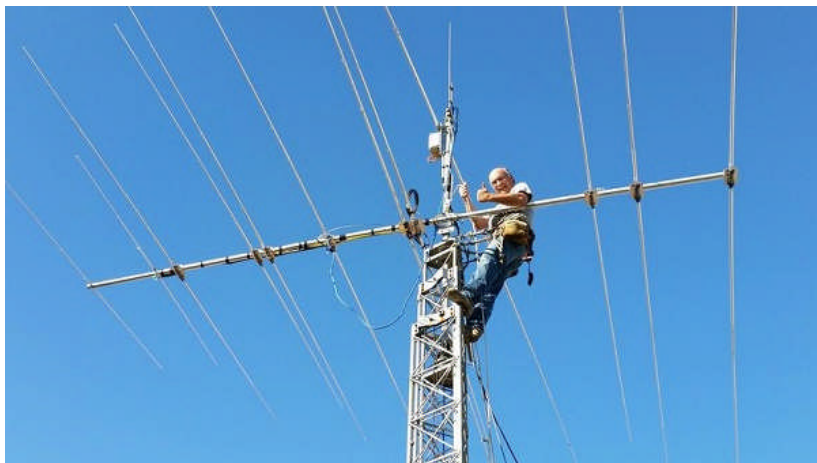
And, yes.... Tom has also presented at the Antenna Forum at PACIFICON many times over the years.

He will also be giving this presentation at the QSO Today Virtual Ham Expo which will cost \$10 to attend.

He will give that same live presentation to us along with the opportunity to ask him one on one questions at ***no cost*** to our members and guests.

In addition he will be donate one of his antenna books, *Array of Light (Next Generation Antennas)* which ARRL sells for \$35.

Here is what ARRL wrote:



Array of Light (Next Generation Antennas)

"For years Tom Schiller, N6BT, has broken new ground in antenna design and use. This book is full of all of the lessons he has learned over the years. It is profusely illustrated and has dozens of pictures and performance information. Tom, N6BT has given dozens of talks on antenna theory and performance and was the founder of Force 12 Antennas, which produced many innovative antennas for amateur and commercial use. Each book is personally signed by the author."

We plan to have a short auction of the book after Tom's presentation and the proceeds will go to the Quarter Century Wireless Association Scholarship Fund.

We wish to extend our warm invitation to the Mount Diablo Amateur Radio Club to join QCWA Chapter 228 on Saturday morning at 10:30am on March 27, 2021 for Tom's talk free of charge. We will be utilizing the zoom platform provided by Jim Siemons, W6LK our ARRL East Bay Section Manager.

To obtain the link for zoom access, please contact Chapter 228 President Ron Luttringer, K6XC at ronk6xc@gmail.com.

Fry's Demise

By Matthew G. Vurek, N4DLA

On February 24, 2021, Fry's Electronics abruptly closed their 31 remaining stores after informing their employees the previous day. Fry's stores in Anaheim and Campbell closed in 2020 while their Palo Alto store closed on December 27, 2019. The following announcement was posted at www.frys.com:

"After nearly 36 years in business as the one-stop-shop and online resource for high-tech professionals across nine states and 31 stores, Fry's Electronics, Inc. ("Fry's" or "Company"), has made the difficult decision to shut down its operations and close its business permanently as a result of changes in the retail industry and the challenges posed by the Covid-19 pandemic. The Company will implement the shut down through an orderly wind down process that it believes will be in the best interests of the Company, its creditors, and other stakeholders.

"The Company ceased regular operations and began the wind-down process on February 24, 2021. It is hoped that undertaking the wind-down through this orderly process will reduce costs, avoid additional liabilities, minimize the impact on our customers, vendors, landlords and associates, and maximize the value of the Company's assets for its creditors and other stakeholders.

"The Company is in the process of reaching out to its customers with repairs and consignment vendors to help them understand what this will mean for them and the proposed next steps."

A story on some of the events that may have led to this shutdown was published on page 10 of the October 2019 *Carrier*. The Fry's store at 1695 Willow Pass Road in Concord (below) opened in 2003 at the former Levitz Furniture store but was observed with empty shelves and few customers in 2019.



**The Concord Fry's Electronics store on
September 28, 2019 (N4DLA photo)**

C L O S E D !

Fry's ELECTRONICS

MDARC Board of Directors Meeting

February 01, 2021

Held at Zoom online

1. The meeting was called to order at 7:01 pm by Larry Bradley KK6QPE after it was determined that there was a quorum for conducting Club business.
2. Attendees via Zoom screen shot: Larry Bradley KK6QPE, President; Jan Kulisek KM6NFC, Vice President; Brian Lotter KM6NGS, Secretary; Cathi Walton K2CJW, Treasurer; Ron Bunch W4FEK, Emergency Coordinator; Director at Large; Mike Warren W6MEW, Director at Large; Roger Hooten W6UZ, Director at Large; Trevor Hall WA6JAU, Director at Large; Mike Patterson N6JGA; Dick Wade WM6G; Dave Piersall N6ORB; Bob Green K6GD.
3. The minutes of the January 4, 2021 meeting were approved without objection.
4. The agenda for this meeting was approved after correction of Jan Kulisek's call sign.

5. Officer reports

- a. President Larry Bradley KK6QPE reported that he will probably leave for Oregon after the next board meeting.
 - b. Vice-President Jan KM6NFC reported that he has not obtained the speakers agenda from Ed Morales yet, he will check on the next speaker. He will update the membership by next quarter but reported that there are 7 new members and that 187 or 52% of members have paid.
 - c. Secretary Brian KM6NGS – no report
 - d. Treasurer Cathi K2CJW submitted a summary of the January 2021 monthly report. There were no questions about this. The January 2021 checking account details were then discussed. Dick Wade asked if HRO is paying for the 4-page advertisement in the newsletter. Trevor Hall stated that they normally donated a radio for the yearly holiday banquet and a MDARC member discount. MDARC does not charge HRO for the advertisements in the newsletter and does not consider the door prizes as payment for the ads. Cathi advised that the equipment self-insurance fund is in a CD and the interest rates are now lower than before. We could get a higher rate, but that comes with limited withdrawals in case the money is needed. Trevor clarified that the storage and parking expenses for the van are reported separately. There were no further questions for Cathi.
6. Emergency Coordinator, Ron Bunch W4FEK reported that everything is going along as usual and that there were no problems. He plans to do practice emergency net and will send out a letter this week about this. He asked for suggestions.

7. Directors at large reports:

Mike W6MEW – no report

Trevor Hall WA6JAU – no report.

Roger Hooten W6UZ – No report but he commented that he had handed membership off to Jan Kulisek.

Cal Vasquez K6VT – Nothing to report.

8. Committee Reports:

- a. Education and Training; John Primus AF6RJ submitted a report before the meeting in which it was noted that we have had the highest attendance of any course that we've ever held. Mike Warren confirmed that the number is 65 with Elmers and that there have been 3 or 4 dropouts. There were no questions.

b and c. Digital Media; Mike Patterson N6JGA reported that we have a new web page showing QSL cards of MDARC members. This is intended for showing one personal QSL card for each MDARC member who chooses to post it.

There is a new groups.io forum dedicated to the training committee. Mike stated that there needs to be a second owner of each of the groups.io forums to back him up. It was decided that the second owner function of the Main MDARC, the Board and the Staff groups will be transferred from Ed Morales to Jan Kulisek. Mike N6JGA stated that the other 4 forums have multiple owners already. Larry KK6QPE asked Mike to send a list of the primary and secondary owners of the groups.io forums to each of the Board and Staff members.

At this point, Larry KK6QPE welcomed all guests.

d. Outreach; Dick Wade WM6G nothing new to report except for the fact that he and Pete Harris will be doing a Zoom presentation on Ham Radio and MDARC to the Dublin Rotary Club on February 9th. There were no questions for Dick.

f. Technical; Jim Siemons W6LK reported that online streaming of the MDARC repeater is back online. There is ongoing work by Jim Moen and others to replace the existing DSTAR repeater with a multimode system. It can do both DSTAR and DMR with a potential to do other modes such as Fusion in the future. There was no news on the possible move from South Peak to North Peak. Larry KK6QPE asked how to submit reports on repeater misuse. Jim replied that you note the time, your location and if you can hear the transmission on reverse, then submit your report to tech@mdarc.org. There were no further questions for Jim.

g. Larry KK6QPE asked about the possibility of holding an online auction in our normal April time slot. It was decided that this is possible so Larry asked Jim W6LK to establish a subcommittee.

h. Vehicle (MDARC-1); Jim Tittle was not present.

i. Communications Trailer; Mike Warren reported that a parking permit (valid for a year) has been obtained to keep it in front of Larry's house.

j. Field Day and k. License Testing; Larry KI6LNB was not present.

l. Public Service; Klaus K6KHB was not present and there is no information about upcoming events.

m. Membership; Jan KM6NFC reported that membership has been formally handed over to him by Roger W6UZ.

He wants to propose some improvements which he wants to discuss with Larry and Mike and thinks that the changes could happen between now and next month. Larry thanked Roger for the good work he has done on membership in the past.

n. Election Committee; no report

o. Scholarship will be discussed under new business below.

p. Radio Lending Library; Cal K6VT reported that nobody has asked to borrow anything.

9. Unfinished Business:

1. South Peak to North Peak transfer; Jim W6LK reported that the issue is the amount of energy we are already using on North Peak. We pay rent of \$150.00 per month and we have used between \$90 and \$190 in energy in previous months. Regarding South Peak, our power consumption has not been separated out of the landlord's total costs so it appears that he is paying some money to host us. We still need to break out the energy costs to see what it would cost us to move to North Peak.

2. Replacing Roger Hooten W6UX; Roger stated that he will be here for another 2 months.

Larry KK6QPE showed Section 6 subsection 4 of the MDARC BY-LAWS which determines the procedure for filling a vacated office and asked the board members to submit names of potential candidates for discussion at the next board meeting. Members of the board will then vote to decide who the replacement will be.

3. Auction feasibility and logistics; This was discussed during the standing committee report above.

4. Updating MDARC By-Laws for grammatical and content considerations; This was placed on hold. There were no new items for unfinished business.

10. New Business:

1. The next club meeting is on March 19 and the next board meeting will be on March 1.

2. Motion to change Provident Credit Union signer on MDARC accounts from Ed Morales to Jan Kulisec by removing Ed and adding Jan to the account. Cathi K2CJW, stated that the Credit Union needs to see an item in the minutes stating specifically what the board wants them to do. Cathi will produce the required wording at the next board meeting.

3. Contra Costa County Science and Engineering Fair; Larry stated that Janice Fujii KG6VTD asked if MDARC had provided any funding for the fair for 2021, he told her that we have not done so and invited her to make a presentation to the board. Janice described the history of MDARC support for the fair and asked the board to consider various options for support for 2021. The 2021 Fair will be held totally online so the costs will be different but still significant. MDARC can provide judges who will decide how the MDARC prize money will be awarded. After some discussion, Mike M6MEW proposed a motion, seconded by Trevor WA6JAU, that the board consider donating funds to the 2021 Contra Costa Science and Engineering Fair. The board voted unanimously in favor of the motion. After further discussion, Trevor WA6JAU, proposed a motion, seconded by Brian KM6NGS, to donate \$500 to the fair and \$200 to the student. The motion was carried with 5 ayes and 2 nays. Larry KK6QPE asked Mike W6MEW to head up the judging and asked any board members present at this meeting, to contact Mike if they wish to participate in the judging. Janice stated that she expects to have the projects available to the judges a week before March 12 when the judging takes place.

11. Adjournment

Trevor WA6JAU, seconded by Mike W6MEW, proposed a motion to adjourn. All members voted in favor.

Meeting Adjourned at 8:48 pm

Respectfully submitted by
Brian Lotter KM6NGS
Secretary, on February 14, 2021



**MEETING
MINUTES**

MDARC General Meeting Minutes

February 19, 2021

Held at Zoom online

1. The meeting was called to order at 7:01 pm by the MDARC President Larry Bradley KK6QPE. The president welcomed all attendees and noted that we are seeing largely the same attendees at each meeting. He asked all attendees to spread the word about our online meetings since we will be using the Zoom for the foreseeable future. He acknowledged new members and visitors and encouraged all attendees to attend the Board Meetings.
2. The Pledge of Allegiance will not be made during virtual meetings.
3. The minutes of the January meeting were approved.

4. Officer Reports

- a. The President reported that he will be spending time in Oregon with his father and that during that time, he will conduct business in the same way as he does now.
- b. The Vice President had no report.
- c. The Secretary stated that there was no report.
- d. The Treasurer read the monthly report for January 2020:
MDARC Checking account income \$7,744.05, Expenses \$1,377.40, Proceeds increased to 6,366.65 for the month. Total MDARC Checking/Savings \$7,0249.81. Equipment self-insurance \$58,168.04, Pacificon \$14,563.09. Total across all accounts \$142,980.94
There were no questions.
- e. The Emergency Coordinator had no report.

5. Committee Reports – Standing:

- a. Auction; Jim Siemons W6LK reported that there will be an online auction held via Zoom on April 16, starting at 7 pm on the night of our normal meeting. Pictures of the items will be displayed and a method for bidding will be established. Payments will be made via PayPal and club items will be delivered to the doorstep of local buyers. He appealed for donations and will arrange to pick them up or accept them at his home or work QTH. Members who wish to sell items will need to provide pictures and descriptions of their items and arrange for delivery to the buyer. Pictures and descriptions will be posted on the MDARC website prior to the auction.
- b. Education and Training; John Primus AF6RJ submitted a report which was attached to meeting notice.
- c. Membership; Jan Kulisek KM6FNC reported that we have 6 new members and that he will be sending an email to members that have not renewed their membership for this year. Larry Bradley KK6QPE asked if there is a method for members to check online if they have paid. Jan replied that there is no method at this time but that he will look into providing a method. In the meantime, he plans to assign any duplicated payments to 2022 membership dues.

There were no other committee reports.

6. Unfinished Business: None
7. New Business: None
8. The business portion of the meeting was adjourned at 7:18 pm.



Respectfully submitted by
Brian Lotter KM6NGS
Secretary, on February 21, 2021

MEMBER QSL CARD ARCHIVE BEING CREATED FOR CLUB WEB PAGE

Webmaster Mike, N6JGA and Editor Matthew, N4DLA, are putting together a page on the chapter website that will feature our members' QSL cards. All MDARC members are invited to (but not required to) send their personal QSL card for display on this page. They will be added in the order received. This page is for MDARC

member and past member cards only. Please don't send us cards that you've received from others unless they are club members.

If you don't have a paper QSL card, just design your own as a .jpg image and e-mail it.



W6CX

Confirming Your Contact With the
Mount Diablo Amateur Radio Club

Station	Date	UTC	Frequency	Mode	Report

To submit your card, send a .jpg file image of it to Matthew at:

n4dla_cs245@yahoo.com

Thank you for helping preserve our club's history!



MARITIME RADIO DAY

APRIL 14-15  **2021**

Further information at <http://mrd.sfk-bremen.com/>

2021 Ham Radio Licensing General and Extra **ZOOM** Class Course Registration is now online.

<http://www.mdarc.org/activities/education/Classes>

MDARC will be holding a 9 week course where you can learn everything you need to upgrade from your Technician license to 2nd level General license. The General ZOOM

Class will start Tuesday April 13th, 2021

Classes are weekly from 7-9 pm with sign-in at 6:30.

Complete class calendar and registration link:

<http://www.mdarc.org/activities/education/Classes>

We will email class material & the weekly zoom link before the class. The auto response at HamRadioClass@gmail.com will answer more class questions.

The fee for each License Class level is \$10 paid online with a credit card at the time of online registration.

If you have a Ham radio question that is **NOT** about signing up for the classes please refer to www.MDARC.org or email MDARC's PIO info@mdarc.org

* Level 2: General Class License Course-2021

Each Tuesday evening, Apr. 13 - Jun. 8, 2021 (9 Sessions)

You can also Register now for the Extra Class

* Level 3: Extra Class License Course-2021

Each Tuesday, Aug. 3 - Oct. 5, 2021 (10 sessions)

<http://www.mdarc.org/activities/education/Classes>

- | | |
|------------------|---|
| General Class: | <i>ARRL General Class License Manual 9th Edition.</i> |
| (plus shipping). | <u>Spiral Bound version</u> : ISBN: 978-1-62595-106-9. List price = \$32.95 |
| | <u>Kindle version</u> : ASIN: B07TDVH426. List price = \$19.95 |
| Extra Class: | <i>ARRL Extra Class License Manual 12th Edition</i> |
| (plus shipping). | <u>Spiral Bound version</u> : ISBN: 978-1-62595-131-1. List price = \$32.95 |
| | <u>Kindle version</u> : ASIN: B089ZXCDWC. List price = \$19.99 |

Zoom Video Meeting Instructions

Note: Zoom videoconference meeting access IDs and passwords will be distributed only through our [MDARC Groups.io email reflector](#). They will not be posted on the club web site or other publicly available forums, in order to maintain needed security precautions.

General Information:

All meeting hosts and attendees are expected to review these guidelines prior to any Club meeting and abide by them throughout the meeting.

Zoom has two kinds of events: Meetings and Webinars.

Meetings:

In Meetings, everyone can see and hear everyone else (unless an individual has been muted or stopped their video). Everyone can also share their screen (unless blocked by the host), for demonstrating something or showing a PowerPoint, as examples.

Webinars:

In Webinars, only the presenter(s) can be seen and heard. Questions and comments are normally handled by either submitting the question by typing it into the Question pop-up box or the Chat area; or using the “Raised Hand” icon, then asking your question when the host unmutes and acknowledges you.

Webinars are an extra-cost feature in Zoom, so all Club events will be Meetings. This means every participant must be diligent about abiding by these guidelines, to minimize disruptions.

Per our Bylaws, Article III, Section 5; Electronic Meetings; Item 6:

(<http://www.mdarc.org/about-us/official-documents/bylaws>)

“Electronic Meetings may be conducted at the discretion of the meeting’s chair. Nothing in this Section shall be construed as to require that any meeting of the Membership, Board of Directors or any committee be provided with the facilities for an Electronic Meeting, or that any attendee has the right to attend any meeting by electronic means.”

If you have any questions about using Zoom, please let us know at info@mdarc.org or by calling 925-288-1730.

Go to https://zoom.us/download#client_4meeting

For computers (Windows or Apple), download the “Zoom Client for Meetings”.

For phones and tablets, scroll down and download the appropriate “Zoom Mobile App”

* We recommend using a computer, rather than a phone or tablet, when possible. The screen is larger, the audio is usually better and the controls are easier to use.

Once the app is installed, you can join a test meeting to test your system and your audio.

See <http://www.mdarc.org/about-us/zoom-guidelines/zoom-how-to>

(continued on following page)

Zoom Video Meeting Instructions (continued)

- * Be sure to review the “Attendee Controls in a Meeting” on Zoom’s web site. See our [Zoom How-To page](#) for the link.
- * Please attend via a video connection whenever possible. Although calling into a meeting by audio-only is allowed, it’s strongly discouraged. Attendees are at a substantial disadvantage when they can’t see the material being displayed on-screen. If you don’t have or don’t want to use a camera yourself, it’s possible to attend a video meeting while keeping your video image turned off. That way, you can at least see the material. This may somewhat restrict your ability to participate, however.
- * If you aren’t fully familiar with using Zoom, please see our [Zoom How-To page](#).
- * Once in a meeting, check your name as it appears at the bottom of your image, or in the Participants List. Change it to one appropriate for the meeting, if needed. We suggest adding your call sign, for example. You can also make your name change permanent in your online profile. See our [Zoom How-To page](#) for instructions.

Video:

- * Test your camera before the meeting.

Make sure you have the correct camera selected in your PC’s settings and that it’s working.

- * Use appropriate lighting (no bright windows or lights behind you; light your face well, etc.)

- * Do not use a camera angle that’s too low (e.g., many laptops on a table or desk).

No one wants to stare up your nostrils the entire time.

- * Check your own image. Is this how you want to be seen? Is your face clear and well lighted?

- * Wear appropriate clothes (please no pajamas, bath towels, etc.).

- * Check the background of your image for anything you may not want others to see (junk in the corner, unmade beds, very personal items, etc.).

- * Do not use a Zoom virtual background unless your PC can handle it.

Get a green screen if you really want a virtual background.

Turning on Zoom’s virtual background feature without a green screen often messes with your image and distracts from the meeting.

- * Remember that, in Meetings, everyone can see you at all times.

Temporarily stop your video if you must do anything you don’t want everyone to see.

Audio:

- * Test your audio before the meeting.

Make sure you have the correct microphone & speakers selected in your PC settings and that they’re working.

Does your microphone sound good? Are you easily understood? If not, consider an external microphone.

- * Keep your mic muted unless you’re speaking.

- * Understand that if your audio is very poor, or if there are background noises, side conversations, etc.; the host may mute you.

* Remember, you must click “Join with internet audio” to get into the meeting. You will be placed in the “Waiting Room” until the host admits you. Your audio, both your speakers and your mic, will be muted until the host admits you. Once in the meeting, your mic will remain muted until unmuted by you or the host. Unfortunately, this is a necessary security measure.



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NEW

FTDX101MP | 200W HF/50MHz Transceiver

- Hybrid SDR Configuration • Unparalleled 70 dB Max. Attenuation VC-Tune • New Generation Scope Display 3DSS • ABI (Active Band Indicator) & MPVD (Multi-Purpose VFO Outer Dial) • PC Remote Control Software to Expand the Operating Range • Includes External Power With Matching Front Speaker



NEW

FTDX10 | HF/50MHz 100 W SDR Transceiver

- Narrow Band and Direct Sampling SDR • Down Conversion, 9MHz IF Roofing Filters Produce Excellent Shape Factor • 5" Full-Color Touch Panel w/3D Spectrum Stream • High Speed Auto Antenna Tuner • Microphone Amplifier w/3-Stage Parametric Equalizer • Remote Operation w/optional LAN Unit (SCU-LAN10) • *This device has not been approved by the FCC.*



FT-991A | HF/VHF/UHF All Mode Transceiver

- Real-time Spectrum Scope with Automatic Scope Control • Multi-color waterfall display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 Inch Full Color TFT USB Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



NEW

FTDX101D | HF + 6M Transceiver

- Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Receiving Characteristics • Unparalleled - 70dB Maximum Attenuation VC-Tune • 15 Separate (HAM 10 + GEN 5) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream



FT-891 | HF+50 MHz All Mode Mobile Transceiver

- Rugged Construction in an Ultra Compact Body • Stable 100 Watt Output with Efficient Dual Internal Fans • 32-Bit IF DSP Provides Effective and Optimized QRM Rejection • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Single Cable • CAT Control, PTT/RTTY Control



NEW

FTM-300DR | C4FM/FM 144/430MHz Dual Band

- 50W Reliable Output Power • Real Dual Band Operation (V+, U+, V+U, U+V) • 2-inch High-Res Full Color TFT Display • Band Scope • Built-in Bluetooth • WiRES-X Portable Digital Node/Fixed Node with HRI-200



FT-2980R | Heavy-Duty 80W 2M FM Transceiver

- Massive heatsink guarantees 80 watts of solid RF power • Loud 3 watts of audio output for noisy environments • Large 6 digit backlit LCD display for excellent visibility • 200 memory channels for serious users



FTM-7250DR | C4FM/FM 144/430MHz Dual Band

- 50 Watt Mobile • System Fusion-II Compatible • Operates Advanced C4FM Digital & Conventional FM Modes • 3 Watt Powerful & Clear Audio with Front Speaker



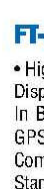
FTM-400XD | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band



FT-70DR C4FM/FM 144/430MHz Xcvr

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output • Automatic Mode Select detects C4FM or Fm Analog and Switches Accordingly • Huge 1,105 Channel Memory Capacity • External DC Jack for DC Supply and Battery Charging



FT-3DR C4FM/FM 144/430 MHz Xcvr

- High Res Full-Color Touch Screen TFT LCD Display • Easy Hands Free Operation w/Built In Bluetooth Unit • Built-In High Precision GPS Antenna • 1200/9600bps APRS Data Communications • Simultaneous C4FM/C4FM Standby • Micro SD Card Slot



FT-65R | 144/430 MHz Transceiver

- Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 5 Watts of Reliable RF Power Within a compact Body • 3.5-Hour Rapid Charger Included • Large White LED Flash-light, Alarm and Quick Home Channel Access



FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



- **RETAIL LOCATIONS** – Store hours 10:00AM - 5:30PM - Closed Sunday
- **PHONE** – Toll-free phone hours 9:30AM - 5:30PM
- **ONLINE** – WWW.HAMRADIO.COM
- **FAX** – All store locations
- **MAIL** – All store locations

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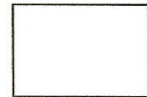
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The Carrier

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W6CX Nets

M-F 5:42 am Morning Muster 147.060+ 224.780- 441.325+

M-F 6:10am Commuter Net 147.060+ 224.780- 441.325+

Monday 8:00 pm SATERN Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

Tuesday 8:00pm Digital Practice Net 147.060+ 224.78- 441.325+

Wednesday 7:00 pm SKYWARN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Digital Amateur Television Net 147.060+

Club FM Repeaters

147.060 MHz + / PL 100Hz

224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

EchoLink: W6CX-R /133896, IRLP: 3057

<https://www.broadcastify.com/listen/feed/25334>

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/>

DATV Internet Stream: <http://w6cxatv.mdarc.org/>

Contra Costa County Emergency Communications Nets Every Thursday

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 147.480 Simplex

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735-- (107.2 PL)

or 145.410-- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

Digital Amateur Television Repeater

Digital ATV Output: 1244.500

Digital ATV Inputs: 1292.500, 1273.0, 917.0, 430.0

Analog ATV Input: 1270.000 FM (PL 192.8)

March and April 2021 Club Calendar

- | | |
|-----------------------|---|
| Friday March 19, 2021 | 6:00pm - VIRTUAL CLUB MEETING ! Watch on DATV Repeater or join via zoom.us |
| Saturday April 3 2021 | 8:00am - MDARC Technical Committee Meeting - VIA VIDEO CONFERENCE |
| Monday April 5 2021 | 7:00pm - MDARC Board of Directors Meeting - VIA VIDEO CONFERENCE |
| Friday April 16, 2021 | 6:00pm - VIRTUAL CLUB AUCTION ! Watch on DATV Repeater or join via zoom.us |